



WEEKLY SITE ACTIVITIES UPDATE REPORT

Client: Ministry of Environment and Climate Change
 Project: Landfill Closure Activities at Cobble Hill Holdings, 460 Stebbings Rd Near Shawnigan Lake, BC
 Dates: Includes work on October 5, 2017

COMMENTS:

Staffing - Staffing consisted of 1 Allterra supervisor, 2 personnel from Allterra's alarm installation subcontractor and 1 QP. The requirements for a QP were met and provided by Island Engineering.

Equipment - Equipment was not used during the reporting period.

Work Performed:

- The high level alarm system was installed and commissioned. When manually triggered by lifting a float in one of the leachate storage tanks, the alarm system emailed Island Engineering and Allterra representatives.
- A plywood door was installed on the north side of the covered leachate storage facility to facilitate access to view the leachate storage tanks and access the high level alarm system. The door was locked with a padlock.
- Based on observations by GHD and feedback from Allterra, for the week of October 2, on-site work related to the Project only occurred on October 5.

On-site construction activities were completed as of October 5, 2017. Work that remains in conjunction with the 2017 Minor Construction Works includes submittal of deliverables such as liner repair QC test data for August 2017 PEA liner repair work, August and September 2017 monitoring well and surface water sampling results, as-built information for the Minor Works, and soil gradation reports for pipe bedding material.

Work Task	Activity	Performed By	Equipment		Personnel		Discrepancies to Spill Prevention Order (SPO)
			Type	Hours	Number	Total hrs	
SPO - Secondary Clay Liner Investigation	none observed						
SPO - Monthly Sampling	none observed						
SPO - Semi-Monthly Status Reports	none observed						
SPO - Qualified Professional on Site	QP was on site	Island Engineering			1	6	
Material Procurement/Delivery	none observed						



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			Type	Hours	Number	Total hrs	
Leachate Storage and Detection Facility	A plywood door on hinges was installed and secured with a padlock on the north side of the facility to enable access to the inside of the facility and the high level alarm controller. A 100-mm flexible ribbed pipe was installed to connect the two leachate storage tanks at their base; the pipe allows leachate to freely flow between them. The pipe was secured to a pre-existing port on each tank with a cam-lock fitting.	Allterra			2	5	
Leachate Conveyance Piping	none observed						
SPO - High Level Alarm	The high level alarm system was installed in the leachate storage facility and commissioned. The alarm system is battery powered; the battery is charged by a solar cell located adjacent to the facility. To confirm proper operation, the alarm was manually triggered by raising the floats to approximately 0.3 m below the shoulder (top of the wall) of the tanks. When triggered, the alarm sent an email to the on-site Island Engineering and Allterra representatives. The high level alarm appeared to be operational.	Subcontractor to Allterra			2	10	



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Decommission Contact Water Containment Pond	The roll-off box containing the containment pond liner, which was observed to be on site on September 29, had been removed by October 5.						
Stockpile and Cover SMA Soil	none observed						
Install Shallow Seepage Blanket Monitoring Wells	none observed						
PEA Liner Repairs	none observed						
PEA Crest Ditch Ballasting	none observed						
Run-On Ditching	none observed						

TOTAL TIME DURING REPORTING PERIOD: 0 21
 TOTAL TIME FOR PROJECT: 160 814.5



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Item	Description	Comments	Meets Specs		Discrepancies to Spill Prevention Order (SPO)
			Yes	No	
Material inspected					
	<u>SPO - High Level Alarm</u> alarm	When triggered, alarm successfully sent an email.	X		
Schedule (in SPO or Closure Plan)					
	<i>SPO</i> Construction Activities commenced by August 28, 2017				Undetermined - information not provided to GHD
	<i>SPO</i> One test pit completed by September 30, 2017		X		Four test pits were completed
	<i>SPO</i> Construction Activities completed by October 31, 2017				The on-site construction work is complete. Deliverables are still expected as discussed in the Comments section above. Compliance will be confirmed as of October 31, 2017.
	<i>SPO</i> Install high water level alarm by October 31, 2017		X		
	<i>SPO</i> Monthly sampling (surface & groundwater locations by Aug 31 and seepage blanket wells by Oct 31)				Undetermined if Aug 2017 sampling event was conducted (no data received from MOE). Sept 2017 sampling event was conducted. Compliance to SPO will be reviewed in GHD's monthly report.
	<i>SPO</i> Leachate volumes collected, stored, and transported submitted by the 15th & 30th		X		Report due Sept 30 (a Saturday) was received on Oct 2 (the next business day)
	<i>SPO</i> Semi-Monthly Status Reports by the 15th & 30th commencing when closure activities commence			X	Status reports previously received did not address QP's initial part-time presence on site

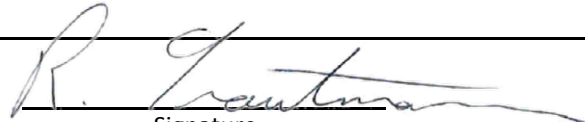


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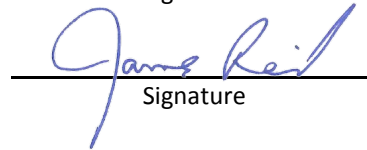
Item	Description	Comments	Meets Specs		Discrepancies to Spill Prevention Order (SPO)
			Yes	No	
SPO	Sample Leak Detection Tank monthly when liquid is present		n/a		n/a - no liquid present during reporting period
CP	Sample Leachate Tanks during leachate removal		n/a		n/a - no liquid removed during reporting period
Spill Observed beyond Site Boundary, or potential HSE issue (if yes, fill out and attach spill reporting form/s)					
None observed					

Completed by: Reinhard Trautmann
Name


Signature

October 11, 2017
Date

Reviewed by: James Reid
Name


Signature

October 11, 2017
Date